

## CLAIMS:

1. A display device comprising  
a plurality of pixels (26; 34),  
a light source (23; 35), and  
addressing means (24, 25; 32, 33) for coupling a selected pixel to said light  
5 source to thereby emit light,  
said addressing means (24, 25; 32, 33) being arranged to address each pixel  
using pulse-width modulation (PWM), characterized by  
means (20; 39) for amplitude modulating the intensity of said light source (23;  
35).  
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2. A display device according to claim 1, wherein said addressing means (24, 25;  
32, 33) are adapted to regulate when each pixel is switched on and/or when each pixel is  
switched off during a line time.
- 15 3. A display device according to claim 1 or 2, wherein a light guide (22) directs  
light from the light source (23) to all pixels (26), and wherein said addressing means  
comprises a first and a second orthogonal set of electrodes (24, 25), said pixels (26) being  
defined by intersections of said electrodes, and wherein light from the light guide is coupled  
to a pixel by applying voltage pulses (27, 28) to the electrodes.  
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4. A display device according to claim 3, wherein said first set (25) is arranged to  
receive a constant select signal, and said second set (24) is arranged to receive a pulse-width  
modulated select signal.
- 25 5. A display device according to claim 1 or 2, wherein said addressing means  
comprises a set of light guides (32), each for directing light from the light source (35) to one  
column of pixels (34), and a set of electrodes (33), each arranged to apply voltage to one row  
of pixels (34), thereby coupling said row to the light guides (32).

6. A display device according to claim 5, further comprising means (39) for pulse-width modulating said light guides (32).

7. A method for driving a display device having a plurality of pixels (26; 34), a light source (23; 35), and addressing means (24, 25; 32, 33) for coupling a selected pixel to said light source to thereby emit light, comprising:

pulse-width modulating said addressing means, characterized in amplitude modulating the intensity of said light source.

8. A method according to claim 7, wherein said source intensity is increased from a threshold value to a maximum value during a line period (Fig. 5a).

9. A method according to claim 7, wherein the amplitude curve of said source intensity is alternated between consecutive line periods (Fig. 5b).

10. A method according to claim 9, wherein said source intensity is increased from a threshold value to a maximum value during one line period and decreased from said maximum value to said threshold value during the next consecutive line period (Fig. 5b).

11. A method according to one of claims 7-10, wherein the amplitude curve of said source intensity is alternated between consecutive frames (Fig. 5c).

12. A method according to one of claims 7-11, wherein said pulse-width modulating includes regulating when each pixel is switched on and/or when each pixel is switched off during a line time.